

ABSTRACT OF THE DISCLOSURE

A high fidelity sound system for a mobile platform is provided. The system includes a plurality of panels forming interior surfaces of a passenger cabin of the mobile platform. The system additionally includes a plurality of excitors. Various selected panels have at least one exciter affixed thereto, wherein the excitors are 5 adapted to resonate the panels to thereby generate sound waves. The system further includes a processing center that controls signals that drive the excitors. The signals are modified by the processing center so that each exciter generates sound waves within a specific frequency bandwidth that is based on the panel material or structure to which each exciter is affixed.